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Datasheet for ABIN917970

**anti-TMEM166 antibody (AA 51-152) (Alexa Fluor 555)**

## Overview

Quantity:	100 µL
Target:	TMEM166 (FAM176A)
Binding Specificity:	AA 51-152
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TMEM166 antibody is conjugated to Alexa Fluor 555
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human TMEM166
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Cow,Pig,Horse
Purification:	Purified by Protein A.

## Target Details

Target:	TMEM166 (FAM176A)
Alternative Name:	TMEM166 ( <a href="#">FAM176A Products</a> )
Background:	Synonyms: FLJ13391, TMEM 166, Transmembrane protein 166, EVA1A_HUMAN.

## Target Details

Background: TMEM166, also known as FAM176A (family with sequence similarity 176, member A), is a 152 amino acid protein encoded by a gene mapping to human chromosome 2. The second largest human chromosome, 2 consists of 237 million bases encoding over 1,400 genes and making up approximately 8 % of the human genome. A number of genetic diseases are linked to genes on chromosome 2. Harlequin ichthyosis, a rare and morbid skin deformity, is associated with mutations in the ABCA12 gene. The lipid metabolic disorder sitosterolemia is associated with ABCG5 and ABCG8. An extremely rare recessive genetic disorder, Alstr syndrome is due to mutations in the ALMS1 gene. Interestingly, chromosome 2 contains what appears to be a vestigial second centromere and vestigial telomeres which gives credence to the hypothesis that human chromosome 2 is the result of an ancient fusion of two ancestral chromosomes seen in modern form today in apes.

Gene ID: 84141

## Application Details

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months